

2125 Stokely West Rd,  
Pall Mall TN 38577  
(931) 704-3785

# JOHANN WEST

[johann.s.west@vanderbilt.edu](mailto:johann.s.west@vanderbilt.edu)  
[www.johannwestportfolio.com](http://www.johannwestportfolio.com)  
[LinkedIn](#)

## EDUCATION

---

**Nashville, TN** **Vanderbilt University** **Fall 2020 - May 2024**

- **B.S. in Computer Science**, May 2024. In-major GPA: 3.4
- **B.S. in Human Organizational Development**, May 2024. In-major GPA: 3.4
- **Programming Coursework:** Programming Design and Data Structures, Software Design, Database Management, Algorithms, Operating Systems, Principles of Software Development

## EMPLOYMENT

---

**Software Developer Intern II** **Chalkline** (30+ Employee SaaS startup) **May 2023 - August 2023**

***Bettor Analytics Application:** B2B Business Analytics Web Application*

- Spearheaded the development of .NET and Vue.js CRUD tooling and reporting application.
- Engineered 30+ API endpoints to fulfill functional project requirements, implement protected routing, and leverage user authentication.
- Designed frontend user-interface using Vue.js, maintaining MVC design principles.
- Crafted 10+ dynamic views and tools enabling B2B clients to securely access, analyze, and modify vital business data.
- Leveraged knowledge in .NET, C#, Vue.js, PostgreSQL, AWS, Bitbucket/Jira, Agile, Git, and MVC pattern.

**Software Developer Intern** **Chalkline** (30+ Employee SaaS startup) **September 2022 - March 2023**

***Chalkline User Fulfillment Application:** Internal CRUD Data Management Application*

- Implemented an automated system managing transactional email logic, eliminating 10+ person-hours per week by automating 5000+ transactional emails monthly.
- Developed CRUD user interface, allowing employees to manage states of 1,400,000+ user instances.
- Leveraged knowledge in React.js, JavaScript, PostgreSQL, Airtable, Agile, Bitbucket/Jira, and Git.

**Python Programming Instructor** **Juni Learning** **January 2021 - January 2022**

- Provided instruction to 20+ students weekly in OOP, algorithms, and game development courses.
- Leveraged knowledge in Python, NumPy, Pandas, and Algorithms.

## PERSONAL PROJECTS

### **CreateX Application (2023)**

- Developed a virtual-asset, exchange-market application built with Django and React.js, successfully emulating market forces on an exchange-market.
- Designed RESTful backend enabling buying, selling, and user-to-user order matching.
- Implemented a PostgreSQL database schema hosted with AWS RDS.
- Leveraged knowledge in React.js, JavaScript, Django, Python, PostgreSQL, AWS, and Heroku.

### **SafeRoute Application (2023)**

- Created SafeRoute, an application to assist potentially threatened demographics by providing region-specific safety and personal freedom information based on user input.
- Parsed the CATO Human Freedom Index into JSON format to provide a data source for developing region specific ratings.
- Leveraged knowledge in React.js, JavaScript, Express.js, and Mongo DB.

## ADDITIONAL EXPERIENCE

---

### **Undergraduate Computer Science Research – Quality Adjusted Life Years Computation App (2023)**

- Developed an application to provide a method of producing QALY calculations at scale to measure the impact of altruistic efforts utilizing an LLM AI approach.
- Presented final report and research study findings at the 2023 Vanderbilt Undergraduate Research Fair.

## SKILLS

---

C++, .NET, C#, Django, Python, React.js, Vue.js, Express.js, JavaScript, SQL, AWS, Git, GitHub, Agile